Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A power system comprising:

a battery unit that includes a battery; and

an apparatus main body that operates on power supplied from the battery in the battery unit mounted thereat, the battery unit and the apparatus main body being engaged in information exchange, wherein:

a work volume value indicating a volume of work that the apparatus main body has been engaged in is transmitted from the apparatus main body to the battery unit over a predetermined cycle;

the battery unit calculates a cumulative work volume value of the work volume value at the apparatus main body and stores the cumulative work volume value therein, and the battery unit also detects a consumed battery capacity value indicating an extent to which a battery power has been consumed at the apparatus main body;

the cumulative work volume value, the consumed battery capacity value and a charged battery capacity value are transmitted from the battery unit to the apparatus main body over the predetermined cycle; and

the apparatus main body displays a battery use rate indicating an extent to which the battery has been used based upon the consumed battery capacity value and the charged battery capacity value, and also displays the cumulative work volume value at the apparatus main body.

2. (Original) A power system according to claim 1, wherein:

different operating modes of the apparatus main body are classified in correspondence to varying levels of power consumption;

work volume values each corresponding to one of the operating modes are transmitted from the apparatus main body to the battery unit;

the battery unit calculates and stores therein cumulative work volume values corresponding to the individual operating modes of the apparatus main body and transmits the cumulative work volume values corresponding to the individual operating modes to the apparatus main body; and

the apparatus main body displays the battery use rate and the cumulative work volume values corresponding to the individual operating modes of the apparatus main body.

3. (Original) A power system according to claim 1, wherein:

the battery unit allows the battery to be charged with a charge apparatus;

the battery unit and the charge apparatus exchange information with each other; and

the cumulative work volume value stored in the battery unit is reset to 0 when the battery has been charged by the charge apparatus.

4. (Original) A power system according to claim 2, wherein:

the battery unit allows the battery to be charged with a charge apparatus;

the battery unit and the charge apparatus exchange information with each other; and

the cumulative work volume value stored in the battery unit is reset to 0 when the battery has been charged by the charge apparatus.

5.   (Original) A power system according to claim 1, wherein:

the battery unit allows the battery to be charged with a charge apparatus;

the battery unit and the charge apparatus exchange information with each other;

the battery unit detects the charged battery capacity value and transmits the detected charged battery capacity value to the charge apparatus;

the charge apparatus makes a decision based upon the charged capacity value transmitted from the battery unit as to whether or not the battery is in a fully charged state and ends a charge of the battery once the battery is judged to be in the fully charged state; and

the battery unit resets the consumed battery capacity value stored in memory at the battery unit to 0 when the charge of the battery ends.

6.   (Original) A power system according to claim 1, wherein:

the apparatus main body is a camera; and

the work volume value is a number of frames of images photographed in the camera.

7.   (Original) A power system according to claim 1, wherein:

the apparatus main body is a camera; and

the work volume value is a length of time over which the camera has been engaged in use.

8-16. (Canceled)